

CH2M HILL Hanford Group, Inc.	Manual	ESHQ
SAFETY SHOWERS AND EYEWASH STATIONS	Document	TFC-ESHQ-S-STD-19, REV A-2
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	Issue Date	August 1, 2006
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[Ownership matrix](#)

1.0 PURPOSE AND SCOPE

(4.1.1)

This standard provides minimum requirements for eyewash and shower equipment for the emergency treatment of the eyes and the body of persons exposed to injurious matter. It covers emergency showers, eyewash equipment, eye/face wash equipment, hand-held drench hoses, and combination shower and eyewash or eye and face wash equipment.

The requirements in this standard apply to all CH2M HILL Hanford Group, Inc. (CH2M HILL) employees and its subcontractors.

This standard provides uniform minimal requirements for equipment procurement, equipment installation, test procedures, and maintenance and training to assure workers the availability of at least a minimum level of first aid.

2.0 IMPLEMENTATION

This standard is effective on the date shown in the header.

3.0 STANDARD

(4.1.1)

3.1 Operations and Projects

(4.2.1)

Ensures new and replacement emergency showers, eyewash equipment, eye/face wash equipment, hand-held drench hoses, and combination shower and eyewash or eye/face wash are procured, installed, maintained, and tested in accordance with the requirements of ANSI Z358.1-1998.

3.2 Manager/Supervisor

Prior to assigning personnel to work involving a significant potential for hazardous materials to splash onto the skin or into the eyes, verify that:

- Emergency showers, eyewash equipment, eye/face wash equipment, hand-held drench hoses, or combination shower and eyewash or eye/face wash equipment are provided in the work place and are accessible and operable.

NOTE: In addition, for work in remote locations or in areas that do not have a change trailer that contains an emergency kit, adequate emergency supplies should be brought to at the job site, including bottles of eyewash solutions or portable eyewash units.

- Employees have been trained in the proper use of emergency showers, eyewash equipment, eye/face wash equipment, hand-held drench hoses, or combination shower and eyewash or eye/face wash equipment that are provided

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- All shut-off valves between the sanitary water supply and the eyewash and/or safety shower are secured in the open position
- Routes to the shower/eyewash station and the area around the equipment are kept clear.

3.3 Employee

Ensures knowledge of the following when working in an area where safety showers or eyewash equipment is required:

- How to properly use an eye wash and a safety shower
- The location of the nearest eye wash and safety shower
- The routes to the eye wash/safety shower stations and the area around the stations are kept clear of obstructions at all times
- The equipment is operable and has passed the required inspection/maintenance test.

3.4 Process

1. Before work begins, a field work supervisor shall review the Job Hazard Analysis to:
 - Determine the need for emergency showers, eyewash equipment, eye/face wash equipment, or combination shower and eyewash or eye/face wash equipment.
 - Determine if the existing emergency showers, eyewash equipment, eye/face wash equipment, or combination shower and eyewash or eye/face wash equipment provides adequate emergency treatment of the eyes and the body of a person who has been exposed to injurious materials. If not, require supplemental emergency showers and/or eyewash equipment.
 - Determine optimum placement of emergency showers, eyewash equipment, eye/face wash equipment, or combination shower and eyewash or eye/face wash equipment. Equipment should be placed for immediate use but in no case should an individual have to travel more than ten seconds to reach the nearest safety shower or eye wash.

NOTE: Field safety and health professionals may provide assistance in the review.

2. Before starting any work process that requires eyewash equipment or a safety shower to be operable:
 - Ensure the required inspection and/or maintenance have been completed
 - Ensure the water supply cannot be inadvertently shut off (e.g., lock open shut-off valves, remove valve handles, etc.).
3. If you work in an area in which safety showers or eyewash apparatus are required, before starting work each day, ensure:

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- Equipment is operable and demarcated with the proper safety sign
 - Employees are aware of the nearest safety shower and/or eyewash
 - Employees have been trained to operate the equipment provided.
4. At all times, keep the route to, and the area around, the equipment clear of obstructions.

3.5 Inspection and Testing

(4.2.1)

The operability of important safety equipment shall be verified in accordance with the following standards. However, the following standards do **not** account for all facility-specific conditions, e.g., drainage, radiological controls required, electricity, etc. The effect of these conditions shall be considered on a case-by-case basis.

- All emergency showers, eyewash equipment, eye/face wash equipment, hand-held drench hoses, and combination shower and eyewash or eye/face wash shall be inspected and maintained in accordance with the manufacturer's instructions.

NOTE 1: For portable units, many manufacturers require a monthly examination or changing of the unit's water.

NOTE 2: ANSI Z358.1 requires **weekly** testing for all emergency showers, plumbed eyewash equipment, eye/face wash equipment, hand-held drench hoses, and combination shower and eyewash or eye/face wash. The inspection, testing, and maintenance of self-contained eyewash equipment shall be performed in accordance with the manufacturer's instructions.

- Inspection and testing for all emergency showers, eyewash equipment, eye/face wash equipment, hand-held drench hoses, and combination shower and eyewash or eye/face wash shall be performed using approved procedures in the facility preventive maintenance/surveillance systems.

4.0 DEFINITIONS

No terms or phrases unique to this standard are used.

5.0 SOURCES

5.1 Requirements

1. 29 CFR 1910, Subpart K, Section 151, "Medical services and first aid." (S/RID)
2. American National Standard Z358.1-1998, "Emergency Eyewash and Shower Equipment."